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## SEQUENCE LISTING

<110> University of British Columbia  
Mahenthiralingam, Eshwar

<120> Method for the Identification and Speciation of  
Bacteria of the Burkholderia Cepacia Complex

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<151> 1998-09-03

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<170> PatentIn Ver. 2.0

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aaccgcatcc gcgaatcgct cgggtgctgc agcatgcccg atggcgtagc caacgaagcc 1020  
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<210> 14

<211> 1041

<212> DNA

<213> Burkholderia cepacia

<220>

<223> recA gene

<400> 14

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tccacggggt cgctgggctt cgatatecgc cttggcgctg gcggcctgcc gcgcggccgg 180  
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gccgagctgc agaagctggg cggcaccgca gcgttcacg acgccgagca cgcgctcgac 300  
gtccagtagc cgtcgaagct cggcggtgaat gtgccggagc tgctgatttc gcaacccggac 360  
accggcgagc aggcgctgga aatcaccgat gcgctgggtg gctcgggctc gatcgacatg 420  
atcgatcatc actcggtcgc ggcgctcgtg ccgaaggccg aaatcgaagg cgagatgggc 480  
gattcgctgc cgggcctgca ggcccgcctg atgtcgcagg cgctgcgcaa gctgaccggc 540

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gtgcgtctcg atatccgccg gatcggctcg atcaagaaga acgacgaggt gatcggcaac 720
gaaacccgtg tgaaggtcgt caagaacaag gtgtcgccgc cgttcgcgca agcgatcttc 780
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ggcaaggaca acgcgcgtga attcctgcgc gagaatccgg aaatcgcgcg cgagatcgag 960
aaccgcatcc gcgaatcgct cggcgtcgtc gcaatgcccg atggtgcagg caacgaagcc 1020
gaggcgatgg acgaagaaga g                                     1041

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&lt;210&gt; 15

&lt;211&gt; 1041

&lt;212&gt; DNA

&lt;213&gt; Burkholderia cepacia

&lt;220&gt;

&lt;223&gt; recA gene

&lt;400&gt; 15

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aaccgcatcc gcgaatcgct cggcgtcgtc gcaatgcccg atggtgcagg caacgaagcc 1020
gaggcgatgg acgaagaaga g                                     1041

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&lt;210&gt; 16

&lt;211&gt; 1041

&lt;212&gt; DNA

&lt;213&gt; Burkholderia cepacia

&lt;220&gt;

&lt;223&gt; recA gene

&lt;400&gt; 16

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atgaccgccg agaagagcaa ggcgctggcg gccgcgctcg cgcagatcga aaagcagttc 60
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tccacggggt cgctgggtct cgacatcgcg ctgggcgtcg gcggcttgcc gcgcggccgg 180
gtggtcgaga tctacggctc ggaatcgctc ggtaagacca cgctcacgct gcaggtcatc 240
gccgagctgc agaagctggg cggcaccgcg gcgttcacgc acgccgagca cgcgctcgac 300
gttcaatatg ccgcgaagct cggcgtgaac gtgcccggagc tgctgatctc gcagccggac 360

```



```

accggcgagc aggccctcga aatcaccgat gcgctggtgc gctcgggctc gatcgacatg 420
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gattcgctgc cgggtctgca ggcgcgcctg atgtcgagg cgctcgcaa gctgaccggt 540
acgatcaagc gcacgaactg cctcgtgatc ttcatacaacc agatccggat gaagatcggc 600
gtgatgttcg gcaaccggga aaccacgacg ggcggtaacg cactgaagtt ctactcgtcg 660
gtgctgtctcg atatccgccg gattggctcg atcaagaaga gcgacgaggt gatcggcaac 720
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ggcaaggaca acgcgcgcga attcctgcgc gaaaatccgg aaatcgcgcg cgagatcgag 960
aaccgcatcc gcgaatcgct cggcgtcgtc gcaatgcccg atggcgagg caacgaagcc 1020
gaggcgatgg acgaagaaga g                                     1041

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&lt;210&gt; 17

&lt;211&gt; 1041

&lt;212&gt; DNA

&lt;213&gt; Burkholderia cepacia

&lt;220&gt;

&lt;223&gt; recA gene

&lt;400&gt; 17

```

atgaccgccg agaagagcaa ggcgctggcg gccgcgctcg cgcagatcga aaagcagttc 60
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tccacggggg cgctgggtct cgacatcgcg ctgggcgtcg gcggcttgcc gcgcggccgg 180
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gcccagatgc agaagctggg cggcaccgcg gcgttcacg acgccgagca cgcgctcgac 300
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gattcgctgc cgggtctgca ggcgcgcctg atgtcgagg cgctcgcaa gctgaccggt 540
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aaccgcatcc gcgaatcgct cggcgtcgtc gcaatgcccg atggcgagg caacgaagcc 1020
gaggcgatgg acgaagaaga g                                     1041

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&lt;210&gt; 18

&lt;211&gt; 1041

&lt;212&gt; DNA

&lt;213&gt; Burkholderia cepacia

&lt;220&gt;

&lt;223&gt; recA gene

&lt;400&gt; 18

```

atgaccgccg agaagagcaa agcgctggcg gccgcgctcg cgcagatcga aaagcagttc 60
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tccacggggg cgctgggtct cgacatcgcg ctgggcgtcg gcggcttgcc gcgcggccgg 180

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aaccgcatcc gcgaatcgct cggcgtcgtc gcaatgcccg atggcgccag caacgaagcc 1020
gaggcgatgg acgaagaaga g                                     1041

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&lt;210&gt; 19

&lt;211&gt; 1041

&lt;212&gt; DNA

&lt;213&gt; Burkholderia cepacia

&lt;220&gt;

&lt;223&gt; recA gene

&lt;400&gt; 19

```

atgaccgccc agaagagcaa ggcgctggcg gccgcgctcg cgcagatcga aaagcagttc 60
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tccacggggt cgctgggtct cgacatcgcg ctgggcgtcg gcggcttgcc gcgcggccgg 180
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aaccgcatcc gcgaatcgct cggcgtcgtc ccaatgcccg atggcgccag caacgaagcc 1020
gaggcgatgg acgaagaaga g                                     1041

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&lt;210&gt; 20

&lt;211&gt; 18

&lt;212&gt; DNA

&lt;213&gt; Burkholderia cepacia

&lt;220&gt;

&lt;223&gt; recA forward primer (BCRU1\*)

&lt;400&gt; 20

18

tgcggatggg cgacggcg

&lt;210&gt; 21

&lt;211&gt; 19

&lt;212&gt; DNA

&lt;213&gt; Burkholderia cepacia

&lt;220&gt;

&lt;223&gt; recA reverse primer (BCRU2\*)

&lt;400&gt; 21

cagttctgtc gcttgatcg

19

&lt;210&gt; 22

&lt;211&gt; 19

&lt;212&gt; DNA

&lt;213&gt; Burkholderia multivorans

&lt;220&gt;

<223> B. multivorans specific recA forward primer  
(BCRBM1)

&lt;400&gt; 22

cggcgtcaac gtgcggat

19

&lt;210&gt; 23

&lt;211&gt; 19

&lt;212&gt; DNA

&lt;213&gt; Burkholderia multivorans

&lt;220&gt;

<223> B. multivorans specific reA reverse primer  
(BCRBM2)

&lt;400&gt; 23

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19

&lt;210&gt; 24

&lt;211&gt; 18

&lt;212&gt; DNA

&lt;213&gt; Burkholderia vietnamiensis

&lt;220&gt;

<223> B. vietnamiensis specific recA forward primer  
(BCRBV1)

&lt;400&gt; 24

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18

&lt;210&gt; 25

&lt;211&gt; 18

&lt;212&gt; DNA

&lt;213&gt; Burkholderia vietnamiensis

<220>  
 <223> B. vietnamiensis specific recA reverse primer  
 (BCRBV2)

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<210> 26  
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<220>  
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<210> 27  
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<220>  
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<210> 28  
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<220>  
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 forward primer

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<210> 29  
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<220>  
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18

<210> 30  
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<212> DNA  
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<220>  
<223> B. cepacia Genomovar I specific recA forward  
primer (BCRG11)

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18

<210> 31  
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<212> DNA  
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<220>  
<223> B. cepacia Genomovar I specific recA reverse  
primer (BCRG12)

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19

<210> 32  
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<212> DNA  
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<220>  
<223> B. cepacia Genomovar III, RG-A specific recA  
forward primer (BCRG31)

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19

<210> 33  
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<220>  
<223> B. cepacia Genomovar III, RG-A specific recA  
reverse primer (BCRG32)

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18

<210> 34  
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<212> DNA  
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 <220>  
 <223> B. cepacia recA reverse primer (BCR4)  
  
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 <210> 35  
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 <223> B. cepacia recA forward primer (BCR3)  
  
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 <210> 36  
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 <212> DNA  
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 <220>  
 <223> B. cepacia recA forward primer (BCRU1)  
  
 <400> 36  
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 <210> 37  
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 <223> B. cepacia recA reverse primer (BCRU2)  
  
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 <220>  
 <223> B. cepacia Genomovar III, RG-B recA specific  
           forward primer  
  
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<220>  
<223> B. cepacia RG-C specific recA forward primer

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<213> Burkholderia cepacia
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<220>  
<223> B. cepacia RG-C specific recA reverse primer

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